

REMARKS

This Amendment and Response is filed in response to the Office Action mailed October 4, 2001.

Claims 1-5 are amended to improve clarity. Claims 1-5 are pending.

Proposed revised Figures 4 and 7 (including marked up versions and final versions) are also submitted with a drawing cover sheet. The changes are circled in red ink. In Figure 4, in box S4, "form" is changed to "from" to correct a typographical error. See page 15, lines 6-8. In Fig. 7, in box S27 "THR" is changed to "THRd" to correct a typographical error. See page 19, lines 6-9. No new matter is entered. The Examiner is respectfully requested to approve and enter the revised drawings.

Regarding paragraph 1 of the office action, see the enclosed corrected Figure 4.

The amended claims are also believed to be responsive to the rejection under 35 U.S.C. §112, second paragraph, regarding the use of "channel".

Accordingly, claims 1-5 should now be in condition for allowance.

If there are any further issues that need to be addressed, the Examiner is respectfully requested to telephone Applicants' undersigned representative.

Respectfully submitted,

Dated: 1/24/02

Ralph F. Hoppin
Ralph F. Hoppin, Reg. No. 38,494
BROWN RAYSMAN MILLSTEIN FELDER &
STEINER, LLP
900 Third Avenue
New York, NY 10022
Tel. (212) 895-2000 Fax (212) 895-2903

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Ralph F. Hoppin 1/24/02
Ralph F. Hoppin Date

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ishikawa et al.
App. No. : 09/402,034 Art Unit: 2681
Filed : February 1, 2000
Title : TRAFFIC CHANNEL SELECTING METHOD AND BASE
STATION EQUIPMENT

BOX NON-FEE AMENDMENTS

Assistant Commissioner for Patents
Washington, D.C. 20231

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**AMENDED CLAIMS MARKED UP TO SHOW CHANGES RELATIVE TO PREVIOUS
VERSION (37 CFR 1.121(c)(ii))**

In the marked up claims below, new text is underlined and deleted text is bracketed.

1. (Amended) A [traffic] channel selecting method in a mobile communications system including a plurality of radio base stations, comprising the steps of:
referring, in [the] a particular one of the plurality of radio base stations, to transmission power read from a channel transmitted from each of remaining ones of the plurality of radio base stations;
correcting [the] a threshold value of a received level used for deciding availability of the channel in the particular radio base station such that the threshold value is reduced when the transmission power is large, and that the threshold value is increased when the transmission power is small; and
making a decision that the channel is available, in the particular radio base station, according to whether the [, by comparing a] received level measured in the channel is lower than the corrected threshold value [with the threshold value corrected, that the channel is available if the received level measured is lower than the threshold value, whereby setting a threshold value of a received level used for deciding availability of a traffic channel in a particular radio base station].

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2. (Amended) A [traffic] channel selecting method in a mobile communications system including a plurality of radio base stations, comprising the steps of:

referring, in [the] a particular one of the plurality of radio base stations, to transmission power read from a channel transmitted from each of remaining ones of the plurality of radio base stations;

calculating, in the particular radio base station, a propagation loss between the particular radio base station and each of the remaining radio base stations; and

making a decision that the channel is available, in the particular radio base station, according to whether [if] a received level acquired by receiving the [traffic] channel transmitted from each of the remaining radio base stations is less than a predetermined received level, and the propagation loss of the channel is less than a predetermined threshold value of the propagation loss [, whereby making a decision on availability of a traffic channel in a particular radio base station].

3. (Amended) Base station equipment installed in a particular radio base station in a mobile communications system including a plurality of radio base stations, said base station equipment comprising:

means for measuring a received level of a channel transmitted from each of remaining ones of the plurality of radio base stations;

means for reading a transmission power value of the channel from each of the remaining radio base stations; and

means for making a decision on availability of the channel by the particular radio base station from the received level measured and the transmission power value read.

4. (Amended) The base station equipment as claimed in claim 3, further comprising:

means for storing a threshold value of the received level in correspondence with the received level of the channel transmitted from each of the remaining radio base stations;

means for correcting, in accordance with the transmission power value of the channel from each of the remaining radio base stations, the threshold value of the received level that is stored; and

means for making a decision on the availability of the channel in the particular radio base station by comparing the received level with the corrected threshold value [corrected].

5. (Amended) The base station equipment as claimed in claim 3, further comprising:

means for storing a first threshold value corresponding to the received level of the channel transmitted from each of the remaining radio base stations;

means for calculating a propagation loss between the particular radio base station and each of the remaining radio base stations from the received level and the transmission power value of the channel from each of the remaining radio base stations;

means for storing a second threshold value in correspondence with the propagation loss calculated;

means for comparing the first threshold value with the received level;

means for comparing the second threshold value with the propagation loss; and

means for making a decision on availability of the channel in the particular radio base station from a result of comparing the first threshold value with the received level, and a result of comparing the second threshold level with the propagation loss.

Respectfully submitted,

Dated: 1/24/02

Ralph F. Hoppin
Ralph F. Hoppin, Reg. No. 38,494
BROWN RAYSMAN MILLSTEIN FELDER &
STEINER, LLP
900 Third Avenue
New York, NY 10022
Tel. (212) 895-2000 Fax (212) 895-2903

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